



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: SHVARTSMAN=1

In re Application of:	)	Confirmation No.
	)	
LEONID SHVARTSMAN	)	Art Unit:
	)	
Appln. No.: 10/743,268	)	Examiner:
	)	
Filed: December 23, 2003	)	Washington, D.C.
	)	
For: TERAHERTZ RADIATING	)	March 23, 2004
DEVICE BASED ON...	)	
	)	

## INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop DD  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir :

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[XX] within three months of the filing date of the above-identified national application or within three months

of the entry into the national stage of the above-identified international application.

[XX] and before the mailing date of a first Office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., Form PTO/SB/08A) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

[XX] Documents AA-AN are U.S. patent(s) and/or published application(s). As this is a U.S. application filed after June 30, 2003, or an entry into national stage under 35 USC §371 after June 30, 2003, the requirement to file copies of such U.S. patents or published applications has been waived. (Office of Patent Legal Administration - Pre O.G. Notice of July 11, 2003).

3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

4. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

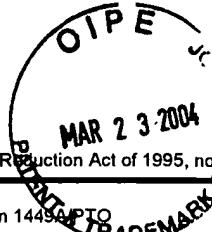
Respectfully submitted,

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<p>Substitute for form 1449A (PTO)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i></p>		<b>Complete if Known</b>	
		Application Number	10/743,268
		Filing Date	December 23, 2004
		First Named Inventor	Leonid SHVARTSMAN et al.
		Group Art Unit	
		Examiner Name	
Sheet	1	of	Attorney Docket Number
			SHVARTSMAN=1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-4,348,686 A	08-07-1982	Esaki et al.	
	AB	US-4,371,884 A	02-01-1983	Esaki et al.	
	AC	US-4,558,336 A	12-10-1985	Chang et al.	
	AD	US-4,806,993 A	02-21-1989	Voisin et al.	
	AE	US-5,113,231 A	05-12-1992	Soderstrom et al.	
	AF	US-5,185,647 A	02-09-1993	Vasquez	
	AG	US-5,194,983 A	03-16-1993	Voisin	
	AH	US-5,710,430 A	01-20-1998	Nuss	
	AI	US-5,894,125 A	04-13-1999	Brener et al.	
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	AK	US-6,316,771 B1	11-13-2001	Jurisson et al.	
	AL	US-6,476,411 B1	11-05-2002	Ohno et al.	
	AM	US-6,635,907 B1	10-21-2003	Nguyen et al.	
	AN	US-2003/0127673 A1	07-10-2003	Williamson et al.	
		US-			
		US-			
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.